

A. VANDERVELD.
ADJUSTABLE BRACKET.
APPLICATION FILED FEB. 13, 1911.

1,005,375.

Patented Oct. 10, 1911.

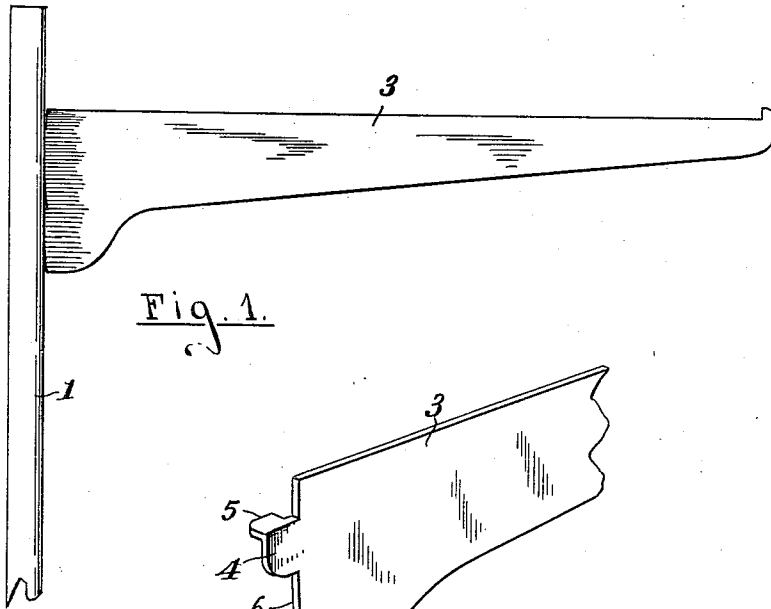


Fig. 1.

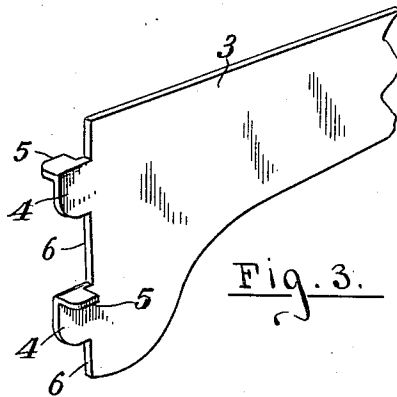


Fig. 3.

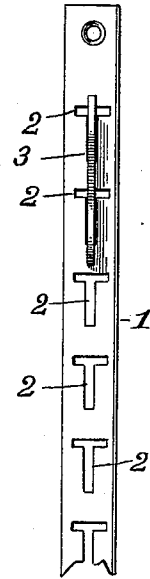


Fig. 2.

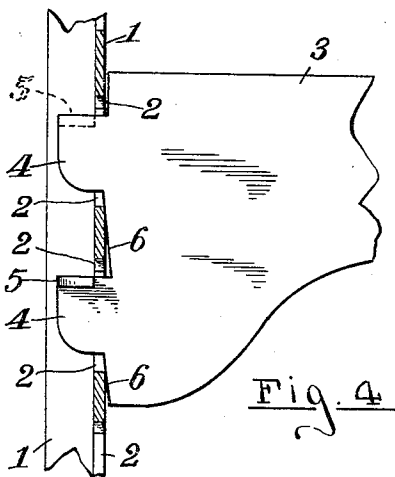


Fig. 4.

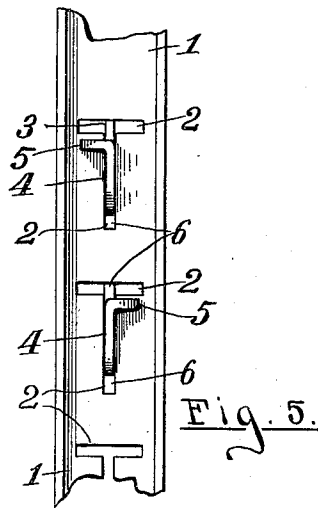


Fig. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE BRACKET.

1,005,375.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANTHONY VANDERVELD, a citizen of the United States of America, residing at Grand Rapids, in the
5 county of Kent and State of Michigan, have invented certain new and useful Improvements in Adjustable Brackets; and I do hereby declare the following to be a full,
10 clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in adjustable brackets and its object is to provide a sheet metal structure that can be
15 cheaply manufactured; that will be substantial and durable, and to provide the same with various new and useful features hereinafter more fully described and particularly
20 pointed out in the claims, reference being had to the accompanying drawings in which:—

Figure 1 is a side elevation of a device embodying my invention; Fig. 2 a front elevation of the same; Fig. 3 an enlarged perspective detail of the bracket; Fig. 4 an enlarged vertical section in detail; and Fig. 5
25 the same shown in rear elevation.

Like numbers refer to like parts in all of the figures.

1 represents a channel bar formed preferably from sheet metal, having its middle portion provided with a series of T-slots or openings, spaced apart at regular intervals,
30 in any two of which the bracket may be inserted and supported.

3 represents the bracket of sheet metal having a vertically extended inner end to engage the face of the channel bar, said end being provided with lugs 4 to extend
40 through the vertical portion of the T-slots and horizontally turned opposite extensions 5 on the lugs adapted to pass through the horizontal portion of the T-slots and thence downward to firmly engage the inner surface of the front portion of the channel bar
45 1. These extensions being turned oppositely, effectually prevent the bracket from swinging laterally and the end of the bracket which engages the face of the channel bar is

provided with inclined surfaces 6 which 50 serve to force or wedge these extensions 5 firmly against the inner surface of the channel bar and thus securely and rigidly lock the bracket in position upon the same. These inclined surfaces 6 are so spaced apart 55 from the extensions 5 that the latter will engage the inner surface of the channel bar before the lugs 4 reach the bottom of the T-slots whereby any wear, variation of the thickness of the bar, or other slack will be 60 automatically taken up by downward pressure on the bracket, thus insuring against any looseness of the bracket upon its support.

The whole structure is very simple, easily 65 manufactured from sheet metal by dies and requires no bolts, screws, or other like appliances, at the same time being effectual and satisfactory in operation.

What I claim is:—

1. An adjustable bracket comprising a channel bar, having T-slots at regular intervals, a bracket having an end provided with surface inclined to the plane of the bar, lugs on the bracket to extend through the vertical 75 portions of the slots, and oppositely projecting horizontal extensions on the lugs to pass through the horizontal portions of the T-slots and forced into engagement with the inner surface of the bar by said inclined 80 surface.

2. A bracket comprising a channel bar having T-slots and a sheet metal bracket having two lugs to extend through the vertical 85 portions of two of the slots and also having an end surface below each lug inclined to the plane of the bar and an extension at the top of each lug bent horizontally to pass through the horizontal portions of the T-slots, the respective extensions being bent 90 in opposite directions, from the plane of the lugs.

3. An adjustable bracket made of sheet metal comprising a sheet metal channel bar having a series of T-slots at regular intervals and a sheet metal bracket having lugs 95 to extend through the vertical portions of the T-slots and vertically slidable therein

also having oppositely bent horizontal extensions at the top of the lugs to pass through the horizontal portions of the slots and slidably engage the inner surface of the
5 bar, said bracket also having an inclined end surface below each lug to engage the outer surface of the bar.

In testimony whereof I affix my signature in presence of two witnesses.

ANTHONY VANDERVELD.

Witnesses:

PALMER A. JONES,
LUTHER V. MOULTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents
Washington, D. C."
